RECORD

Books # 54

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(BE-SE) PROPERTY AND ADDRESS OF THE PARTY AND W-Marrie Steller Stell 1911-1901 ... YEAR JEEP 28-40 ... SEED-SHE HARRING BEFORE (B-16 and The North Park and a state of the latter Print of the second state of the second white with the design the state of the state TATALL (E.Diversessesses Buch Standard Standard Windst. Dery Stelnis, and the allient of Huntingdor Co. Tup. Very devoted de lamelle. spoor-preud, . 196-157 MINELSON CONTRACTOR OF THE PROPERTY OF THE PRO MERCE, LEST HOOM MINE COLL Charteroals 922' West Replied County CIT-MIT ... Distri-District Assess And District City NED-WE are DESIT-SEED AND ADDRESS AND mothersbaugh Mary OUT-DEED THE THE PERSON OF THE TOTAL TOTAL PROPERTY AND AND ADDRESS OF THE PARTY. EPS-SPE DESCRIPTION OF THE PARTY OF THE PART second and the second section in the second WEST, THE SHARE AND THE PARTY OF THE PARTY O THE-ALL Below of Jon BOSCurry M. North Prick, License Stewer, 52 per BUT-DE VALUE OF THE ABOUT THE WAY THE WAY THE PARTY AND PARTY. ONS-RELEXABLE CONTRACTOR ASSESSMENT TO THE PARTY OF THE P Pin Hill, Warrin Ridge West Turp. 2000 1450 1900

DESCRIPTION ASSESSMENT AND PARTY OF THE PERSON NAMED IN

THE TORONTO-DOMINION BANK

Dieta Description of the second second

Memorandum

1000

THE TORONTO-DOMINION RANK

DESCRIPTION AND PERSONS ASSESSED ASSESSED.

Book # 54

begin no. 39810 and 40327



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A BOORUM & PEASE PRODUCT

1979 Vinginia Jan. 31 - Hunting brech -Thousands of ducks on Potomac River at mouth of Hunting Creek. Many gulls at Kraches Kun many bald pate, pertail and mallard derels. Many rings billed gulls, some hening gulls. a black bird with white tail and wings, a smewhat bigen. like strupt and spit, small head, pintreils red feet, flying around, lighting at edge of water - perhaps a prizen. tele 22 - month of Leading, on at 15; was out in englowered showing contact with overlying Trassic brown shale. Diles rather steeply to west. This ingunerate or preddingstone very colorful. exposure extends along Re. 15 from south of Februar for mela miles worth. Ame interesting erosion remants. at Point of Rocks the selist basement bends sharply up and is exposed in the Catoctin ridge. Chlorite schirt?

gover a løve understry Eveally.

Smaller stand of trees

12-15 m. tall, up to 15 cm. 16th.

ground rather covered

by forium japonics.

Some Deschampsis (3) on

west side, brally abundant.

Mitchella painty common

a few small pumperus,

aler yelling fairly common

put al 1 m. or less talf.

Rhus copalling locally common

not bealthy

a few common florida, fair size.

a few peedling Livindendin

and Prumus virginians

and Prumus virginians

a few Vaccinium atworcum

but not more than 1 m, talf

one brilan glanca.

The side.

1957 Virginia march 29-1 mis sust of cover of a dozen as so quail. Johnsons Comer, east of kittle Rocky Kum, about 2 mi . s of Centreville 7-70 Power line right of way through deciderous great sta slender shrubs up rax, one small colony seen fruits bright red. reasimal 1 + Hypericum soft shub. w & o.c m. tall treally abundant March 29 - Kittle Rocky Run. just east of Johnson's Corner about a ville Worded slope, decidents tree, on Triescie shalo -mall tuft, and common asslated culms Stram in broad reven up the storpes. plain, this and slope Caylonia Clowering on flats, not abunday of never with decidnous to late mostly averely words with little undergrown by former paporica. On slopes Hepaties, som Claytonia, they beginning I hotos of deciduous work to Glover. On the placed plain on slope. Mertensia, in bud, Languinan (yn flower) and Dentare launiation flower, & anemorella thalietavide in bud, abundant Engthronium, not yet flowering, extending

1959 maryland april 5 - tairbaren Cliffs Decidural words barely starting to show green Undergrowth a dense blanket of Sonicera Japonica just beginning to grow. forme Kindera, in full flower. Amilax notundifolia and Kubus arguta (1.1.) mind in Conicery, Lorne areas with little or no under growth at top of small beach, at mouth of small valley, a patch of Chrigmites cares, exapletely dry, dense, with old influsioner. Canes To Im. ball 5-8 mm. Thick. covered by sheaths only, breader deriduous. In No herbacerus plants seen flowering. 39814 Phragmites communis dense colony at top of beach closely set bare cares 3 m. tall; leaves decideron. april : - West of Fairbraven on steep road, cut in soft fine sandy lang sou Virla Bitaibeliana plants depressed, spreading, small cremy gretal white, & with black ling. famum umplexicante abundant. corolla magenta - crimson. lighter or side of lower life.

10 1959 Manyland-Virginis

14 Opin S-1/2 mi e. of Bristle

anne amendel S.

moist evoded Botton-land

39817 Englas Botrychium directum

occasionalin fooliguum

18 Englas Gentlem americanum

very common

19 April G- fleepy Hollow

interorded fottorn-land

common

4 19 Rindera benzoin

common

common

I had sed anothers I long but of different lengths, I short. There were the only more in bad.

See below)

shout, f. flowers pale yellowish green, with similar to those in or flowers. To those in or flowers. Tall, or, flowers pale yellowish, green, with stalked meetaries.

(37818) two leaves, these dale linge shotted with glavieres green; flower cernus, legal, dull tronge outside, yellow within, she especially with parallel plications or beels within; anther varied-19 flowers collected in this colony, of these: I had yellow anthers, 3 ling, 3 short 10 had red " 3 -0 .. 3. 5 ..

aquil 7 - annapolis 39821 Buxus sempervirens cultivates

> april 16 Potomas Niver Magnificent stand of deciderous forest, mainly Tague and Livindendron, mus roles Masses of Engthronium americantin some E. silvum, allium is-Virla zyp. Martin techter, fedum, Hentonia lacininta, D. dephylla, Erigenia, Dicentra curcullata assum aanadling, Cystopleis fragilis, Jalium agains. Claylonia tellanes anemorella, in sloper Viola striata ail occasional on riverterrace Vermica bederaefolia L. locally abundant as niver terral Engenia toler bulbon met locally common on lower roper 25 Engthimium albedown Nutt.

locally common on lower stope.

shrub am, tall, flowers greenish, evetly somewhat disagreeable pagrance, one & surrounded by several of

alliang, glocking Veronica Hydotrophy Clas Lindergon very abundent on the terrace a few feet Engthronium, Elaytonia and Disertra encullets. Kange colony of Mertensin affirm, considerable dedumi

flowers cream white, lower petals lines within. carllas lavender, falling very reality.

leaves very glancous, with boren marlings; perantly white spllows at base within, suricles none. 39826 Dentaria siphylla michy.

april 19 - Km. 27, Llayline Din Then seem agrowth words mused but mostly decideous, scattered genes t. strokers, I. vigiday P. stryinians, P. prungens. queres spy, incl. 9 ilicitalis I'mmer of Betuld lenta are rulnum, etc. a very small stand of Botula popyrifera - three scattered trees, clumps of grown suches sprouts, tily of them only about 5 cm. thick the other larger. må moderate kast thin no really large tres. Fire skyns bull rather old.

16 1959 Vinginia phenomology net Parts. 17 39827 Silene cardening steep road out in shale 28 Viola grapilionacca leaves blirty green, ploriver now isday of woods along washinds violet, white in auto-29 Viola pubers geners yellow 30 Viola fundriatule 3 for woods person rolet, white in cente, common, wadrid april 19 - Big meadows 1875 m. y 31 Selin framampy thicket small are 3-4 m. Def. Fr 1 32 (ordi) dued plant from tast pa 33 Lalie grany play shoul im tall or occasional 2 34 Lalia show as no tall of occasional - 35 falix show our tall occasional april 19 - head of Jeremy's 34 Granem canadense flotvers maron. 37 Caren colony rane

Sanguinan plowers

Cratagus common me undergrowth of 10 cm. diam. general spassing 2-4 m.

Marie 19- Ille Wallow
Leand growth deciders
with scattered
pines, esp. P. strobus.
Rentaria laciniate very
common in plower antennais
plantaginipolis, Vivea of.
Unalistemen just appearing

Run.

Second growth decidence

frest, a few lines strobus.

This localizes undergood

of Kalmin latifolis, becoming

recollings a few Edg

trees. Laxifraga

virginies, Dentain

Raciniata, antennais

plantaginifolis, Pedicularis

canadensis.

Where trail crosses ferenny's Run a hemboth grow. Maianthemum just putting out leaver, Raportes also. assaum in plower.

Japid. 19 governey Rum overlook Decidences forest with scattered primes. The trees on lowest stopes, probably moethy terlips, just beginning to show green free in flat at granking overlooks may be maching overlooks and see after leaves come out. Branches green, thorny, Gleditchin has also.

1959 maryland - 4.). no Englay to Lebaner, not washington Trees completely green around Washington. In her Jersey the tress are not completely leafed out, but meanly. In Hew England all deciderals me as bare. Only falix sp. shows any sign of green. They 2 - Hanover, n. H. area of desiduous woods in out skint, of town - on south slopes in sheltered places: asaum canaderse Viola notion difoles Engthronium americanos Hepating outiloby tanguraria canadensis Dicentra averllaria Hedystis caerules (color and balit variable). Equisetum lyemate forme a large colony an are a more in extent, solid, crowding out the spring bloca on slopes in decidures words. Small stand of Equinatum

may 2 mt. rerdigan tale prosest of Between prayaying and Faguer, some betulg alleganions, O. letes, eveally sporie is dominant no trees over som diameter. mostly 10-20 m. tall many with several steme from base targe colonies of Kysofrodum lucidulus some Lamplanatum, Lannotinum?, K. obscuring Dayopteus common. Local colonies of Engthronium a mericanum, in but only Verly rolundifolis in Blory, also Claytonia forme accor niquem var. between alleg none abundant bugles up. Where spring its immen numerous twing miffled (6) - grievels!) ! Fague - applicage with take money (by squienes) trolly marky elowing. at higher altitudes anguite a few lenger hors, erh. Tetula alleg a Fague, up to 4 dry. Abh. mostly en but condition.

1999 New Hampsher My 7- Connecticut Rever julet alone Hanver dene of low we tenace with Pinus strolous forest perhaps 37 m tell theer up to 5 dm. Alle from 3-5 m. cary, then, an understony up to 5-2 m. of Truga abundant Truga scallings and saplings of all or size little or nothing Else m ground. a layer of medles about 5-10 ch underland by in. time old witten slumpe my to you diam, but not many, for water Some mall patches of Ferens, Rysopolium, etc. themen sports -I appear who two trees have been elimenated on by blow down . The goulting the Tonga are up to 10 m. tall On when terres considerable anyon maple sapling common Roberts. muchan says that there has been no significant cutting since 1900; but that low- hours being been salvages.

May 4 : flight from

Petamon to V. Y.

The forest in these

Er with some

admixture of conifers

in places and will

and pateless of pure

the distribution of

there is apparent.

new Harry where They 1 - Hanner original soul of stains 39834 Hedyotin carner 1. lotally shundant or small tryte, flower verying from laverder string staff with slope 1 34 Equisation composides to allowed white Very Cocal in deciderous trostator slope. 1 11 Equisation and straw-color, brittle. losa in edge of leciderous 1 41 Dryofiters fronds lying flat on common in mixed woods may 2 - mt. Cerdagan 42 Egrepolium anntinum grantiste with arest

30 1959 Virginia 31 Fairfax Co. June 6 - Brookfield Park Very this ground Springfield front in. layer of pleasadium mudicaule Vitiosp. broad shalfor ravine. Parthenocissus, mitchelly a very few finnes virginian galium crecezano (A) of repper stopes. Polystichum. tagris, quereus alba. Botrychium virginian Canya sp! Lindendron Cared Danthonia quereus corrinea (1.) Unularia perpotiata G. falcata Amilauna, galium triflown aster acuminata 1?) Festuca obtuca, Vanciumsky up to 4 dm dbh. but mostly Hedgotis purpues also 1-25 dm. 25-30 a mou m. tall. seedlings of larger plans, Broken byt fairly bull The ground layer is canopy. Trees 2-5 m apart. much dencer in The Saplings closes. west slipe than on tainly noticeable second the east. layer 3-5 m. tall, of Cornus, The lower part of grand acer rubrum, Fargue saplings.

grand Kalmin latifolia, nying.

plex apacy (no Vibraniam (s.) the raving has been cleared and dammed to make a small Lower layer 3-10 dm. pond. Weeds are very of Vacunium vacillans, common on the non-Vibunum accrifolium, blooded grants of this Her my dumm medicine cleaning. With is Smilax hispids, Vibraman very low and very prinfolium frange tra muddy, Lower bahlis Chimanthus, Divocoreo have no plants. Herry qualernate also sonal raplings a seedlings of most of the larger trees.

1959 32 Virginia 33 Faigax Co. June 6 - Brookfield Park, Springfield freet at canoly complete 39845 Panicum. culms solitary of few. along trail, semi-shaded 46 Panicum small trefts - mear trail. 47 Panicum boacii culms solitary, nearly west 48 Panieum erect. flowers lavendy common along trail, semi-shall 49 Hedystes purpures v. purpures local along trail, semi-sheded slender shrubs 1.5 - 2 m. Ell.
flower light to file the ser.
reddish yellow-green. 50 Eurymun occurional 51 Botrychium virginianum common 52 hoularing sessilis buried, white fleshy, stem arching, builtimmeter, 59 Danthonia 53 Danthonia rune 59 Carex stellata small tufts nane 55 mitchella report flowers white; plant common losally creeking, branches ascerling v 50 Fagus grandifolia comment tree locally leaves dull green. tree 3 dm. Thich beaut high 25 m. tall Lyeumen from 57 Rhododendron atlenticum lowest branch find, red; small show; flowers white, style purple distally; fragrands

 June 12 Apring Mill

State Parks area said

To be virgin wood - querous

large harlwood - querous

acer nigrum, Carys

June alby, Training

Fagus on ligher yound.

Understony of Crysus,

Carpinus, should Welmus,

acer nigrum. Hat Jagus on

Lighengrows,

Lighty of 2.3 m.

Thrub layer & 2-3 m. of asimina, hemmes Eindera, Vibrumum prumplium, Vacuplum

Parthenosisons, galium Mr. Emilaciones, Peltophonen, Christoniones genin, agrimonio Christoniones densino, Whystichum Dage Thelypters he sagono pters.

Cales are tommant among langs trees, tulip next, little Caryon and sapling and sapling and sapling most absent, Carryon

offen because of Alrestowns, affen harrister seedlings,

1/24.



PARK ENTRANCE

THIS IS YOUR MAP OF THE

TRAILS

SPRING MILL STATE PARK

MITCHELL, INDIANA

SPRING MILL STATE PARK Established 1927 1.210 Acres On Ind. 60, Near Mitchell

Among the features of the park is the restored pioneer village with the stone grist and saw mill operated by water-power, the postoffice, tavern, apothecary shop and other buildings. This is one of the best known and most popular features of the park, being re-visited several times each year by scores of visitors.

Other features are the caves, particularly Donaldson Cave and Twin Caves, which are widely known throughout the middle west. Persons are not permitted to enter the caves other than on conducted trips through Twin Caves and into Donaldson Cave. There are several other caves in the limestone formation underlying the park.

Many visitors are attracted to the park by the large tract of virgin woods, one of the few such tracts remaining in the state. Included in this tract are many fine examples of the hardwood forest trees which once covered much of Indiana.

DESCRIPTION OF TRAILS

DESCRIPTION OF TRAILS NOTE: Because of terrain, most trails are rugged.

- 1 Short loop from Inn to foot of hill, along Donaldson Branch and Lake, and return up the hill to the Inn.
- 2 Connects village parking area with bath-
- Long loop trail which one may enter near Inn cabins; pass Donaldson Cave gorge, then through dense woods past sink holes; then through Donaldson Woods past Bronson Cave and on to Twin Caves; then return to Inn or picnic area through beautiful stands of virgin woods.
- 4 Loop trail may be entered from Trail 6 at picnic area or junction of 1 and 4 near Inn; goes by Donaldson Cave, campground and Hamer Cemetery; connects with 6 to Village.
- 5 Follows lower section of Lake from bridge around to bathing beach; near 2 which leads to picnic parking area.
- 6 Connects Village with campground by way of 6 and 4, or by way of Hamer Cemetery to Donaldson Cave.

STAY ON MARKED TRAILS!

SPRING MILL INN

SPRING MILL STATE PARK MITCHELL, INDIANA

Write to Reservation Clerk Spring Mill Inn, Mitchell, Indiana for Reservations and Further Information

OPEN ALL YEAR

Rooms and Cabins Available on the American Plan

FEES AND CHARGES AT SPRING MILL STATE PARK

- 1. GATE ADMISSION 15¢ per person; free to 12th birthday. 15¢ per automobile in addition.
- 2. CAMPGROUND 50¢ per camp site per day. Includes water, tables, laundry tubs and toilets. Wood furnished when available. Supervised youth groups 5¢ per person, per day.
- 3. TRAILERS 50¢ per camp site per day; with electricity, 75¢.
- 4. SWIMMING Beach: No charge for swimming; 25¢ for bath house privileges.
- 5. BOAT RENTAL 35¢ per hour, \$2.00 per day, every day.
- 6. CORN MEAL 45¢ and 55¢ per bag. Obtainable at Mill only, Spring through
- 7. LOOM PRODUCTS Obtainable at Sheek House in Village, Spring through Fall.
- 8. CAVE TRIPS 25¢ per person.
- 9. INN RATES \$7.25 to \$7.85 per day, including meals. Single meals, Sunday dinners, banquets. Reservations made with Inn Manager.
- 10. FREE NATURALIST SERVICE Inquire at Inn or Gatehouse, summer months.

Receipts from admission and service charges are used to help defray the operation and maintenance costs of the parks.

THIS IS YOUR PARK

All visitors are expected to observe the following rules which are designed to fulfill the purpose for which state parks were established, namely, to preserve a primitive landscape in its natural condition for the use and enjoyment of the people.

- 1. Do not injure or damage any structure, rock, tree, flower, bird, or wild animal within the park. Do not gather limbs, brush or trees (either live or dead) for firewood! It must be allowed to remain to rebuild the natural humus.
- 2. Firearms are prohibited at all times.
- 3. Dogs must be kept on leash while in the park.
- 4. There shall be no vending or advertising without permission of the Depart-
- 5. Camping sites are provided at a fee of fifty cents per car or tent for each 24 hours or fraction thereof. Organized youth groups under leadership, five cents per person.
- 6. Fires shall be built only in places provided. Visitors must put waste in receptacles provided for that purpose.
- 7. Motorists will observe speed limits as posted, and park in designated areas.
- Bathing is limited to such places and times as designated by the Department.
- 9. Drinking water should be taken only from pumps, hydrants or fountains provided for that purpose. This water supply is tested regularly for purity.

CONSIDER THE RESULTS IF OTHER VISITORS USE THE PARK AS YOU DO

HELP PREVENT FOREST FIRES

Build fires only in designated places. Be sure that cigars or cigarettes are extinguished before they are thrown away. Break your match before you drop it. Report any violation of fire regulations to park officials at once.

> Fire Is the Greatest Threat to Our Parks and Forests

YOU HAVE 18 OTHER STATE PARKS AND 14 STATE MEMORIALS -VISIT THEM !



THE INTELLIGENT USE OF LEISURE TIME

This trail map is given to you with the compliments of the State of Indiana through its Department of Conservation in the hope that it will direct your attention to the primary purpose for which the state park system has been established.

These recreational areas are parts of "original America," preserving for posterity typical primitive landscapes of scenic grandeur and rugged beauty.

Along the quiet trails through these reservations, it is to be expected that the average citizen will find release from the tension of his overcrowded daily existence; that the contact with nature will re-focus with a clearer lens his perspective on life's values and that he may here take counsel with himself to the end that his strength and confidence are renewed.

INDIANA DEPT. OF CONSERVATION DIVISION OF STATE PARKS INDIANAPOLIS 9, INDIANA

Revised 2-59-50M

4

June 13 fining Mill

State Parks

Twing Caves area - said

to be virgin words

large that wood - querous

alle the Liver dention

acer nigum, Caryo,

June was alby, Transach

Lights on higher ground.

Understory of Cornus,

Carpinus, Shall almus,

acer nigum. And Fagus on

Lights on higher ground.

Thruk layer & 2.3 m., of asimina, hermung finding, Vibunum prungling, V. neuglan

Parthenosissus, galium she Emilaciones, Peltophonen, Unilaria gerim, agrimmis Phus toxino dendron, Velystechum Dahr me dominant among large trees, tailip nest, little lango almost absent, lango almost absent, lango more abundant. offen because of structions, affen hassafres seedlings,

Dominant layer 100-120' tall.

trees to 3 or even 5' Abh.

large ones wistely spaced

20.50 smaller ones between

numerous baller ones between

a few large deat stanking

trees.

On Isaist surpace, numerous sink holen broken through a thin sandstone layer over limetene. 1999 Connecticus

fune on - Geelsley Pond

norfolls, Conn (mathe qui)

acenique words Fogus,

acenique, some howlord

of merinanta much

sover slopes, feeding

of pints brughy marging

of pints brughy marging

of pints latifolis, Thibrum,

ferns.

44

Ches part of bog with Chamselaphne, My was gale, Kalmin anquitifolis, form horningna dontinuous layer. Much Ahragnum, Kalmig polifolia, Vaccinium gayrracum, arethuras rginia, ot in Laranenis purpurey, etc. in grown layer on floating met. scattered small Larix and Pices manara 1-7 m. and some 3-4 mm Ame invasion by leer whum, but chtrolled by deer. Wirson welnough 46 1959 Connecticut 47 June n- Tobeys lond 35" June 21 - Benedicts Pond montolle, Com. diam. practically no This find is a natural no the level few mitchella, bemlock seedlings offens Clintonia. of which has been haised about 2m by a dam. Swamp whe a few land white pine. billed out, but a ground wary frampy floating bog formed probably wind their This was sunten with is moral occupation stones. Floated again. and for trees, cut up by saws, parts from Betulg alkeghenumi, Hours servery, Betula drifted ashore. Then there ettempts were abandoned Larty, dear rigum, and floating bog has Tagri restablished itself in shallow end as an and stubs the bank island and round has been realed off edges. Myrics galo en me side of ealer of in knownter wirllopes above pond are and seas. Work of well worded with (whole one the tred wordpecher. magel white here and hardroods general mating of this frest is northern hardwork with much hembols fore git rather well-grown. This has good ground layer and some shubs.

Shenandoah not kul53 52 1959 Vinginia June 27 - lorben Calren, nicholson Hollow Hugher K. 399601 Betula lenta tree 15 m. tall, 10 cm. diam. several turbs, barb second growth woods shing, boars, with wintergreen and. 5 65 Osmunda einnamomen commoninged valley bottom rosetle fronds ascending from growthate thisons: sterile tree 50 cm. a mor dol. 3 - 66 Pours 25 m. tall. steril. several trees aroun old home site. flowers bright pinhi 3 67 Rosa x Gargerians Rehl. large patch around and horse site green, glower white = 68 Pyrola local in me second grown works of bassapas. loose tufts, flowers 2 69 Hedystis purpures a tennifolis pale lavender. common en loose fine wood forming large open 4 70 Lycopoolium complanatum natches, ringome common in Exam hime woods superfrecial. loose trifts and isolated 4 71 Panieum. culms, accending. common in second growth bassupar woods 4 72 Janienta erest. common in second growth trine and harrafrancords lavender, diel greenish 73 Erigerm annuis costument in old clearing yellow.

1259 Virginia 39874 Hydranges armercere L should 1.7 m. Tall flower white a few manginos common in words over or com steil flowers in some in welly places influences. 2 75 Slex shub 3 m, tell, rav in wood in bottom several stems, stems of valley large patch, frent 2. 76 Maianthemum canadone greening spreakled with red. very local in hemboth woods near stream 3 77 Thelypteris moveboracensis conimon in somes in welley bottom. rachis reddish. 3 78 athyrium ochasioned in hemloch grow

mengland - West Va. 61 60 1959 Virginia - Maryley & Dicharm. Triorrie July 25 - Horschead mt. ged shall in cuts. Twelove, so, sed, shenendons greet sives when a. national Parks Tout-of-Rocker - crosses steep shale out a suroded ridge through supports a shave a short turnel! Beyong stand of bushes this, along Potomae, wood, of Betula lenta , min on left largely Platanus, so tall. forme campanula on right if slike Robins. dinaricata. O very fed pines. They flat arintry most of the cuts in This part of the drive with mixed woods are covered by Betula leite considerable / latanus. similar to this. acci when, Ulmus, etc. (Brunswick). Old fastions ang 5 - trip by rail (B+0) but nother unathractive from Washington to Chicago. town. Large n.r. yards. west from filver thing alanthus abundant. - deciderous frest Blue Ridge, high and subdivisions wanded wooded domes locally some adminture in both sides - strate of pine, mostly a mister almost vertical. to oaks. Pines are P. virginians. Roch so blackened from Robinia and Ailanthus smoke that they are in disturbed spots. not identifiable! Fartherout are grasting Spectucular garge at and some confireles with Harpers Ferry! Canal on mostly gals. (gaitherhung) W. Va. side. then a low dan with very interesting somewhat ibertward looking rock flats in the country becomes made hilly, mostly in pastul. iver bed below it. Wide bottom-lands, love decidnous wordlots. hartly wooded. Then with. Lome on Tochards, 7 hus

62

66

72 1979 Manitoba, Canada

duy. 7 - train try via CFR from Emerson to Wennipeg at least from carery on the land is very flat, in very large forthe, mostly planted to grain, This headed out, it in a few fields, already howeld. Then are ditches, probably fordrainey rather the injection. near carey some spots where the grain doce not grow, where there is little vegetation on the black cracked soil. The soil is generally blackish, atmembat mottled with darly astry opay. Here and there fields of your alfalfa. along the railroad as occasional strying what appear to be grame rather a short grass type, with quite a few flowering broad lest herby there are scattered patches, some fairly lenge, of low frost or tall scrib doubtless frantes. of l'opulus talsamifina I themselvioles, and 4 few other trees querens.

1959 Manitoba 76 aug. 7 - Winnipeg 149 m 39893 Whomas americana h in low forest incity park ang 8. The Pas, institutely - moradside branched from basi, 39896 asternisia evert, airmotic, list relin 5 common each somewhat taytor. v 97 Bromus inernis common in edge semi- open Picco freet. · 98 Juniperis prostrate show reasonal cordle pale violet destally. 3 99 gentianelle amarella a porcasional petale white -79900 Parmassin palustris - occasional corolla decpriolet. 01 Cempanula notundifolis occasional shrub 1-mitale 02 Claragnus occasional in edge of rays purple dich yello 03. aster aliolate recarional 09 Egrusetum - acumund 05 Rosa bonganian Cepen low shoul, leaves pale beneath, fruit frale green. occasional Ob Juniperus communicarios protecte struly fruit immatine. occasional 17 topicion Lanicera low stander showly fruit had blue juncy lowstender shoul, 08 Ribes fruit bright red.

78 1959 manitoly 79 fruit mange red 39910 Vaccinium myrtillvides Michy low showly fruits blue recorna prostrate to according, 1 11 Vacconium tot frest immetur common 2 12 Chamnus alnifolia low struly 0.5'm tall, fruit black. min edge of 4 13 Potentilla flutiones 3 14 Ledun groonlindicum shows up to 03 m. tall, flower yellow lowshine - very common stender tree 5 m. tale, 15 Picea glavea 16 Physostegia , growing in water glavers on ross- junh. in cleared land along rive. showh 3-4m tall, 17 Laire interior slender. commo shret am. tall. 18 Critaryus fruit immeture. 19 Covicing planted sant an tall, Cruit red, juicy. phisbably planted showly 2 m tall no Foricera fruit vary, pricy probably planted end of roll + 1 K great s. Johns borne forest 1-17 m 2K hear commonant Rales worthy break frest & larch swarp several of lake and submerged meadow way.

aug. 9 - Detween fredson Bay jet. and The Var continuous break frest. a morain of stands of spruce and aspen with larix dominant locally probably in revauls This is in moraine definite. The stands The aspen stands appeartly follow fine Several large were of dead trees, Trustes without brancher, some slowing channel surfaces, show that fire, are not unusual. The trees mostly do not exceed 10 a al most 12 min ht. In a small area of spruce frest at The Vas The trees were small, nather openly spared. On the ground was a thick hurs layer with Eguinetum, geocaulan. Vaccinium, Campanula, Panaria, etc.

85 1959 manitoba シャラーカー aug. 3 - Wabowden 19971 Habenain hyperboren flower pale green n Pyrole minor bever reddish 1 23 Polygonum 1 24 Equisatum very common perigynia orango. yellow 2 15 Care avrea short v-> no. tall no celmis myosa 27 Come canadensis recomme 3 78 Carex 29 Rubus andrews rooted puit red, pleasantly common 1 30 officenther romanyofficence 2 31 Polygonum Trailed vine flower whiteh

87 86 1959 manitoba 138 M ang. 3 - Lipiwesk, 200 mi me. The Pas on rather bright, dry ground 39733 Stellaria porcasimal slender tree 5 m. talk 34 Populus balgamipera (others much talla) common spathe whiting, 4 34 Calla polustiis fruit immature. in wet ophagnun at edy of log calthe palveries tely of Gog crecking 26 Calthe paluties 2 37 Lycopodum annotinum tree 15 m. tall, 15 cm. d.s.h. 2 38 Betula back white (leaves on common reflective brancher lenger). 39 Rubus wetices! fruit immature and in Approprienculiar reclining 40 Galium Riles rax in appagnon contion. lowshows. fruit truning 41 Ribes fruitimmature 42 actaca rulia 43 falix shut common shout 3m tall; leaves honeste 94 alsus me common some - railrost embantement canes erent; buitred, sureit. 45 Rudus

91 90 1999 maritales 29960 agropyon agravel back U Cerex 62 commen in dominant in of Potentiels polustris sane in front 64 spargarios Trate, beeck enersed. Non fictulose 65 Hyppinis vulgaris 64 Calla gradustrie Coramon, fringing front still. som + grover bunch glancing beneath. 67 Fragaria

1959 manitota ang. 9 - along railroad south of churchill from delease to churchill. Varies from an then everyeen semb with dwarf sent or dwarf heath ground over to open Swarf scrub or dwarf heath of with seathers evergreen should, much of the ground rough and disturbed by first action. The shows and time slender while stevenfed spring Occasional closed scrul

of such spines occasione fonds, oscasional grass filled in grands or sudge boy, occasional patelle of falix serul. Tunge areas line scattered base stunder trumbs, as through they trad been swept by fine. Claidonia generally abundant ign most of these cycles. In places the spring is

wantly a entirely replacedly

(Trapper gall)

inophorum rather abundant

20-30 mi - s. of Churchist as large areas of treeless dwarf heath, very hummocky. then spen serve and frath. drear a few mi. s. of Churchilt with dans largh and white spream young allowed land and near hours. as peat develops black spruce succeeds. greatly influenced by Give. Bory stature due somewhat to this, though worth is very sloto som my small trees 200 years old. Much talix sout either dense and 1.2 m. Tall or open, clumpy, I m. a los telle general aspect gray green a general color of great bytangemores brownish gives in bale in spling min gives a bale slyw gange . from peut, which is staguin fort ag. Kitchie. Permaport within in in featy area, because of insulation

1999 Manitoba 39997 achilles millaflum L occasional on nochy 2 99 (gran) common tens androwedy common in well everies 40000 folidago multiradiata 01 /gran/ common in who crevices 22 Dryas integrifolis 03 Carex surpoides locally abundant 04 Carex seinfoides locally ilundant 2 05 Pyrola grandiflia locally common 3 06 Hedysalum mochenjer 07 Oxytropis campestiis va v 08 astrogalus common 09 Cypripedium passerium 10 Draba rare, or in woh crevie 11 Klosecis Ligger palustus of the squerella

100 1999 Manitoba a same lor. - og low duner 40012 Les guerella arctica 4 13 Castilleja - aupii 14 gentiandlatinging Chickerton 15 arnies alfors sy attenuata comma 16 anomone mostefida commen 17 Potentilla niver? common 18 Tarasacum common 19 Catamin + andis arenicola 20 Epilobium angustifolium very common 2 4 arenaria peplordes? oreasimal # m Stellania momenths Hell. common 43 foliologo multiradiata common 21 andreace reptertrionalist. 2 Hi Ralix 2 26 Mymus arenarius abundant, birding duras about

bracks and calyses bracks and calyses and la somethy with green with green with freight. Thorowers pale dull purple, and involves maron, range brigger yellow.

ht + 1-3 m

plower white

petals rose purple

very prostrate

slightly stiff, glamor,

petals white, biff,

heads yellow.

low shout

along the so Bay coast from Churchill Bionthank to the Fort Churchill army Case (and bayond) in a low winded glacies- polished ridge of gray qualyite purtrapis is m. ligh at most. It is cracked my somewhat and has cavities and ineqularities which are mostly filled with deposits of peat, in some cases with water. Vieen glavea up to son tall are scattered over the higher grants of the ridge growing in these cavitis and in evinces forme P. marian in weller pestie parts. Many small plants growing in We plat and more in the inerries, with autostophylos ruba and impetium nigum most abundant, also ligas. On the reasons side the frest has an admixture of rand and some porters and falled with sand forge areas throughout the ridge are bor smooth rock. fearing low during and beach ridges are friles up against the rock ridge. There are bound in places by mats of arctistaphylor,

Lesser legge by other plants of the sorth stands also on the work windings are common her, as folidage multiralists. It williams other and front part of the sand and grand has been brauled out of her, so the area to been brauled out of her, so the area to very badly disturbed.

of churchill low treeten ridge of quartite, with peat in crevies and depressions. Lichens on bar surfaces (courton). Defressions and sheltered ledges with accumulation of peat with regetation. some depressions are filled with water, in which some of same plants as are found. on dry land air growing, apparently without inconvenience, e.g. Confetius, Chrysanthemum, Carr spp. also obvious water plants, as Ramuneulus Affe.

106 1959 Manitoba 40043 Rhododerdin lapponicum 1 occasional 3 44 Lalis occasional 45 (gran) Coa glanca 450 Falix hadingsly nost peaty depression 47 Triglochin maritimum common in standing water 48 Potentilla conscios" egelis 2 49 Plantago malitimo local in rock cravies near sea 2 50 (gran) 1. local in wel places. 4 51 barifraga tricupidate very common 52 Cerastium Taxe in crestees 53 Ribes on gravel flats bould ful commen 54 arenaria peploids common aug 10 - Churchill Journ site mont weedy place 2 99 Klimanthus abundant 56 Emphorasia arctica abundant

depressed should. dwarf shrub leaves channeled on ventral side. channeled on ventral side. depressed, forming a mat blowers white plant put splowing. prostrate fruit not quite mature. Enming large dense wind mats; fretals white, fruit grean flower yellow.

flowers white

110 1959 manetoba Ledum groenlandieun most abundant shoul 2 71 Ledun nare rame in very disturbed burned cleaning 72 Cquisetum scupoides abundant 73 Chenofodium (Blitan) capitatum common 74 Poa glavea occasional. 7 75 Complation common (cld & on p. 112 7-win Lake. Hill - a gravel esher with a cleaning in too. mostly span govert of white sprice, some larch, about 5-6 m. tall, with a deep loose mat of Cladonia, mosses. other lichens, etc perhaps 2-4 dry, deep, and then should layer of fedum govenlandio 0.5-03 m tall, Vaccinium uliginosum abundant in lucken layer This layer

very hummirchis

depressed. fruiting heads red, very erect, glavious stems the fleshy, halo, branched from base; flowers coal, tipped with yellow. final areas are more dense and have a greater hortration of land, der shriber other onear lack large trees altogether. are been heath with shrubs very space mostly Ledum often grenlandium, but the of loverstatus than in words, forme to programbly Lee also. The grown layer is a hummorly

should 2-3don tall.

112 and some Allragnum (ctd. from 110) 1 77 androsace septentaimalis 1 77 anomone multifida 79 Epitabium dahunitum

The low land man Churchill inver has been slowly energing, esthat the youngest bufface i redest the river. The tidal range is said to be 15, so that a craiderable forting of the tidal flats have no regetation. Bacha bit, but still in area drained by tidal channels is a march of Ira-agrostis. Ruccinellia, with various other herbs - Carendy. aster junu gormis, Englochi martine, etc. Pack a distance a few small false are seather in, landward becoming closed willow scrub, with much water. Where this is opposite frest the willow server Change to Petula glandulos This landward has me and more Carix. There become faller, and adminer with free glanca. The Betula persists as a conspiguous show lager. This back of the in. becomerackound bout of goin siged treas In

a for spots the ground is slightly brighty and the Guest is offen and layer In low spots the forest is almost pure lack. other lover storage bonds dominated on Calx aquatilis touther back on still older ground. peat has accumulated to a considerable defity. and developed insiderable acidity. Here Sphagnum is dornmant and Ticea manana has replaced I chance except immediately along banks of steams. this open fruit on deep part is the characteristic vigitation of the Hudson Ban Kowtands. Vieriemably the above requence for outglandward - spresentia succession of aug. 12 - Thompson, (nichel Kpour frost, rather closed, with more of ground and a well developed to show layer of Fedring grownlanding about os m. high. Trees to 10 m. or more, very narrow and spire-like.

121 1959 manitoba 120 aug. 11 - 3 mi. s. of Churchill in Estuarine marshes along Churchilf River. low shrub. 40079 Salix brackycapa scattered in grassy mand shrub om, tall. 80 falix scattered in grassy march mre abundant sandway rays finkish 81 aster junciformis commin leaves floating, flowers and fruits emerged, petal gello 32 Kannowlus punti s. gractini submerged in smallfonds, liadiffication 83 Hierochloe oderata common 84 Calamagnostis mesepanos common 35 Potamogeton filiformis Hippinis vulgaris stiff-leafed part emerged common in muddy ports rather depressed and spreading, spikelits 87 Festives why common 5 88 Caren machengier - 89 totale glandelos same in last wet lanch forest with some white sprice, on calcalous soil. 4-50. shrub 1 m. Tell. 89 Prehila glandulosa abundant, forming shrublage

aug. 14 - train trop, CNR, from Winnipeg to montreal East of Winnipeg vast plains of black soil, for scattered bainly sizeable parches of smil arbens. Some of the fields are wheat, some posture, not planted much standing water along the railroad a coloque with telianthing solidago, etc. with a marchy ditch from its center with parches of Typha Horderm jubature very prominent as a weed. Planted Trees as wind beahs around farm sites and along some roads. (anola)! Ame areas of prairie patcher of willow thicket and much greater propertion of asken, but this very degraded. Then almost solid aspen with small areas of pasture forme areas of solid young aspen sprouts

Then more farming area but soil grayer and with small pebbles. some govern and a very few lives mixed with aspen. Large areas of uneventy brushy abandoned partureland. around Vivian. Loil lighter gray, dark surface layer very thin Willow samb very common. Then large farming area but with aspen patches. (nourse) shruce borest, alternating with fair sized aspen, some Pinns banker eans, this mostly mixed with aspen. Some Jopulus Galsamifer mixed in, too, and some land. Pastwewith patches of willow and impains by willow. Patcher of larch, spruce, ele some ifine parkland, mixed conferous forest, mired populus off, and conferous foret, aspen boest, willow brush bire scara

1959 Manitoba

Lethrun solicaria in ditcher. Pastures invested by halis wood - la few small dearings mostly apparently abandoned Fire scarce of various ages. conifer good aspen front moraic. Vine very searce, sprace abundant. (Lewis) Large avas of uneven aspen-willow thicket land Confe fret locally youthy willed by fine. mosain of comper a aspen large burned areas with lare pole. Exposura of Carnetian shield wells, grown hour to gentle delief. around Decemal mused with vegetation on rich naturals very sparse Confer forest more contin-

your Paner bengrians

dominant on note outerope

an area men Wade. where well developed asken frest and open aspen front has been largely knocked down, bent hver, or anapped off a ben feet above the growing, sime prine, also; this done by a severe storm a year on two ago: This couldtry is rolling The low hill, are worn down outcoops of faventian wells, alluvial deposits, later, frends, and boys between them. The vegetation a mosain of freet types, to dominaled by aspen, spruce, medows and logs. (Headily Minabil faller, boops well developed frest on sloper barn general morare of break frest, aspen seems much more abundant in most areas than conifer. Takes have boy overesin in various stegg, from nymphases bed's to dry land Typha.

some will outwoops relatively base of regetation In certa Through the hills the general rock appears to the a marsive dul course granite (3) with much hunblende, but abundantly intrody by a very ware prints gravite or pregnantite. (Redditt) Meadow with beautiful display of flowers High room work ridge with jimes in joint cracks. Fimilia weeks along train -Mollingo, Portulaca, Eugholis sulpina, Amehus awenis apreyour cannelina. etc. fine brown in edge of late Some birch muchin asken fred. also considerable logulus bassamifere, some fine, recasioned growing your. Little or no spring frest. Frir areas of fine goest and scattered thany lakes. There lines of there afternate from about rocks to low briggy wooded show.

The pines are apparently both P. banksians and Presing, the latter more on webs and heavier in applacance, but still with short needles. Eastward the hills become higher and pines much inne abundant. Sprea seems only incidental and mostly in low alluvial brear around lakes, l'ims resinosa! much Charlisians the till not the abundant. Some small spice in bogs around lakes. Kinns strobus appears in some abundance on the roots bluffs above a very long lake north of trick west of me Intool . Canyon its on s, shore of this lake. (mossely clay hales). Some moraine deposts Here are more bircher. also all three fines and white ofrence, as well as much aspen.

(Red Lake Road) former relief sperse put frink and aspen in north, material. Truga breatly ammen east of here Sharp atternation between well-developed spruce firest on allung materia well fache time on When thee have been fire, a migture of aspenand balram poplar, scattered young stime. in some places a definite under stry of spines. at amestable a large meadow, very colorfue with boldage, Epilobium etc. sunduled by aspen. Carboard a morare of agreen and white sprile. moraine matches the fach fine. for soveral miles east and expert of frinatium are exterme sand flats with done sprice your Serve lake. Pinis tranksions on higherspit, disse areas of mount aspen. There ale sand.

Then bully Laurenting totropaply and vegeteter. some morainal gravel. asken frests tend to have a shrew layer often gruite dense. of acer spiratum. a large lake with a sawnill, fog rafts, and a settlement. Jull and terms on the lake, (presibly Webster ?) the aspen with a dense understony of spruce on flat ground, mixed a you and jack freme on low morainar and well hills. User spicatum frequently forming tradeting. Jhub layer sprice frequently forming fort generally gray. meandling rever with wide marsky margin Large and vory inque. (Sione Lookout) Englarbia saying? silt embaulement along railroad grand marion, sours write margin

40139

East - rolling country, well, less, somewh. mixed from largely aspen, considerable fact pine. alder thickets or Jack Prominent sprice understory in agten frests. Hat area of very magular sprice with sme aspen-peaty soil, low growth in spanings Rock viterops here seem to be a presonently jointed dark green will Tall mixed aspen hnolls bigger aspens than have been usual, also some balsan poplar. (Luperier frontim) mostly loess soil same not of fairly large frest but mostly aspendent balkam poplar Larch bog Scattered patches of five me sprine; also tall willow scrub. some alder. worlly appen, some birel. In well developed aspen stands an acce spiceting

shrub layer, or more rarely a spruce under story, with considerable balsam fix. (Granel) Fir greate common near In general region of davant Lake and from there To armstrong conifers are generally dominant. On higher ground there are derive where stands of jack pine on lower Bracinal patchery asjen. Same pattern east of armstrong. Mainly In morainal deposits. Considerable jack from even on level ground, apparently on sand. Occasional Caren bogs, somewith Typha vatele. benain rolling but outerspling. mostly This is apparently the norther edge of the niging ferest Receive. Then a large area of almost flat country mostly in dense space of refrect. Outario

In the midat of this. sust west of Willet. chill protrudes To surrounding country a few miles least the favrentian webs again Them is mostly aspen with some admisting of conifere or with a well developed under story of sprice and fir. (Fehland) Then more flat sprite, sprite - lack, of sprice-fin, or a mixture of all three. To south a nangery low that topped mountains he sattern of spruce; fin- tamarach with occasional patches of arpen entimes eastward for some distance. In large beath and by areas, with Ledum, invado by falis and abies. Jack fine seeme to have tropped one. The area - very fat. Where the ground becomes rolling as near toushote Jachota Un

pine rooppers, but very locally, rast of Tashota some exposurer of Laurentian wells jagets pine abundant here. Large marsh with Carex, I who open water and low talk reme; Relief uncreases east of here. Confer frest continues but with considerable argen.

night

lug 15 - from west of north Bay. mixed buch, aspen, sugar maple, and course fruit very degraded cutover thickets and offenings Distribution of different anifers very unever, alias is most general. Pinus vesinosa and P. strobers scattered on slopes. Sprice uncommon except in low places. acen ruhum first noticed west of Krosk, already Turning red. Confitonia also noticed front about her.

149 napierville Co. 148 1959 Canada - guebec aug. 22 - 3 mi. 2000, 0% Mapierville prostrate, leaves dull green, in beech-maple woodlot with pale midrile, paler 40140 Mitchella repens beneath; all seen sterila. uncommon 41 Thelypteris local twice; puits turning red.

Thisian Con Maliewill ing 42 analia racemosa L. occasional. Epipactis heleboring 44 Botrychium virginianum common 6 176 4 11 31m 47 Onoclea sensibilist. common, locally abundant 44 Uvularia perpoliata Twant 100 49 common 49 m 22004 47 Hefratice acutifolia common recrey 48 Osteya ? occasional ingany St. Bernard de 49 Tiarella occasional Al Jacoble
(M. Jean is. 54" 3 50 adination athyrium common 31 Phryma ordazional 52 Propleis marginale in wet forty muchy depression 57 Fycopodium obscurum very local, abundant or in hum ered blade roll above 54 Botrychium multifidem flowers white whipmens 55 Fyropus unflower depressions

149 napierville Co. 148 1959 Canada - quebec ang. 72 - 3 mi. so w. of with pale midril, paler in beech-maple woodlot Mitchella repens beneath; all seen sterile. uncommon 41 Thelypteris here branched once or A SAMES twee; fruits turning red. said to be introduced from with. 1 all past bruiting 1 47 TO 64.0 . F Elighten Length 1 sterile at this searcy Marine Plans taces, only, seen, self party flowering and fruiting. DATE OF THE PARTY 3 50 1 31 it wet for muchy depression shorty erect. 57 Lycopodium obscrinin very local, abundant on on hum moch ered blade well alowe 54 Botrychium multifidum flowers white whigher 55 Fyroger unfloren depressing

149 napiewill Co. 148 1959 Canada - quebec aug. 22 - 3 mi. 2010, 0% Mapreville prostrate leaves dull green; in beech-maple woodlot with pale midril, paler mitchella repens beneath; all seen sterila unemma 41 Chelypteris local herb branched once or 42 analia racemosa L. wir; fruits turning red. occasional said to be introduced Epipactis helleboring from work. occasional all past bruiting 44 Botrychium virginianum common 47 Onoclea sensibilio L. common, locally abundant 44 Uvularia perpotrata common sterile at this season 47 Hefrating acutifolia common trees, only, seen, all part flowering and fruiting. 48 Ostrys? occasional 49 Tiarella occasional 50 the tum athyrium common 31 Vanyma verlazional 52 Pryopters marginali in wet forty invelors depression short erect. 57 Lycopodium obscurium very local abundant on on hum more erest blade well above 54 Botrychium multifidum flowers white whipmes 55 Fyropus unflower depressing

napierville G. 151 1959 Canada - Jueles 150 protrate galium rare in wet mudis depression showl. 97 Corylus uncommas shoul , fruit immature. 58 Hamameli, uncommon aug. 22 - 5 mi n. w. of napiewille moren offragnum y lindular hairen leave 39 arosera whendifolia 60 Kalmin total anyustiffe Shrieb 1.5 m tall. Reaves glausous beneath. local in shrub lager 41 Criophorum viginicum raie in serie shade shows, paniete red, 62 Viburnum cassinoide fruits frele green. leaves glavious beneath. v 6) Kalming angustifolis commendatel in shrubbay 69 Cares trispering common prostrate & fredder, acid. 49 Vaccinium common leave green, scape eved. 66 faracenia purpueg occasional 67 Chamardayhne calquets should of m. all. abundant, domenant locally in shrub layer leaves white beneath. 66 androneda glaveifolia local in should large low should, o.4 mg. tell, leaves white beneath. 69 Kalmia polifolia common in shrub layer

152 1959 Canada - Juebec 40170 andromeda groenlandica 7 71 Rhammir 3 72 Nemopanthus mucronala common aug. 22 - 6 mi. s. w. of I a muchy roadside 73 aling occasional in litely, 74 galing breings 1 none 2 75 Elevelinia acimlain sommon in roct litely 76 Odontites gerardia occusional 3 78 gerardia I very emmin 79 Audwigin paluatris 30 Polygonum punctatum comma inditely 81 Fysimaches terrestres Grad-less marsh vegetates

napierville G. 153 shrub o.7 m. tell, very aromatic. shrub i m. tall; fruix green. Shrub i.5 m. tall; for leaves go somewhat pals beneath; fruit a dull sating red.

flowers dull creamy pinhi flowers rose pinh purple leaves purplish, flowers rose intemple prosteate flowers red; flowers sterile butterwith slowers to with a riving.

154 40182 Prenenthes 2 33 folidago purshis so uncommo 84 foricers coerules? mulimader 85 Thelyptein featustris comman. 86 galium concinnum ourismas 3 87 almus rugoss common tinvade, 2 88 Viburnum tufidum uncommon invade, 3 89 Betula vecasional invades 2 90 Empatorium doundant 1391 Hypericum occasional 3292 Companula aparinoides commy 25 93 Myring galo 2 94 Ayssopus imericans derasimal ~ 95 Chelone vicasimal 2 96 asker common 2 97 Cornus amornum Mil. commy invades

160 1959 Canada - Juebec 40205 Rycopodium complanatum 06 Pycopodium claratum 2 07 Tycopodium annotinum very foral 2 08 pycofrodium obscumm very local 2 09 Maiarthemum canadense very common generally 10 Pteridium agrilinum var. latilaculum very common 11 Mitchella repens L. very common same lor. - indense 12 Capitalum avenu? g 13 Fyropodium lucidulum common, especially in low places 14 medeola orrasimal 7 15 Thelypteris common locally in damp places 16 Equisetum in tow moist place 17 lagur canadensis abundant, fryning en undergrowth

Pinus virginiano stand to about 8-10 m. tell, up to I dm. dby. 1-3m apart. Has invaded a Nanthing kulong vegetation, act. Chisman, Was Darthoney in 1742 angood, young per -1945. On ground Potertilla simplex?, antennue neodioica, Veronica officinaly Rubus sp., Solidago st. much young tell ruling some Comus florida Vaccinium, or is a few goal stelling, patches The folytichum shitchells acc. Chisman these stand will be strongly invaded and on the way out in royen Organic layer very this 1-3cm, incl. litter. another area of same age very inegular, a few older trees, with progeny of all ager and open space. Much thicker undergrowth, more deversified. On some stopes a nother how stand of pine mostly P. virginians some to storbing very little undergrowth but much mos & Cladonia.

hearby a flat areg with much larger trees and a very stay of acer ruled, and stay and stay and stay and stay and stay and stay and surface about 4 mm tall fray puns. There of precious about the precious about 4 mm tall fray puns. There is the stay of the precious and surface are surface and su

Open rather flat field with clay pan - once an attempt was made to break This by deep plowing, followed by planting to various conifers, this unsuccessful The trees are langely still aline but have not grown. nowth field is a dense herbacion wegetation of Paners carota, Crunella, infratrium perfoliation, livium, Conium, Sgripus of Journelly some street elm, l'arrien Fragaria. Danthonia etc. mittall

or at

173 172 1999 Pennsylvania Huntingdon Co. 407337 Pinus echinata 445 m. (map) small tree 5 m tall 24) occasioned in otherwise deciderous semi-spen words ang. 30 - Stone Valley, east Hos mi (est.) 35 Botryshium dissection forming large max, 34 Lypopodium complanatum van flabelliforme manytones proliferous. 37 Thelypteric novelmacensis flower lavender. 38 Hedyatis purpuen o. Rongifolis aug 30 near mothersbaugh Hach, sweet fruits around old barmsite (possibly persisting from cultivations aug. 30 Stone Valley, east of frestry camp 40 Pines pungens smell tree 8 m tell (come from grown beneal) common, withouther pines, 41 Lyming ligniting shoul. occasional

174 1959 Virginia
Lept. 7 - Lleepy Hollow

Worded bottom-land

40242 Lindera bengan

43 amphicarpa tracteata common weed in wild-flower garden.

Sept. 9. Big Meadows
Lwamb his becoming so
vergrown with things
that little of sen bog is
left. Caltha bird Menganthu
not found. Vernica regime
past flowering languismbo
stell in bloom alsolyvilys
but a few sporthic flower
Herd of 5 deer of various age
seen, lid not seem at all
fightened.

Solidage wanensis v. montiede abundant in full florm. Juneus trificus i in work verices. Layerfordium salage in fruit certainly war. patens. down on cliffs to right. Saifraga mechanici in fruit lynus americans in its foi

tall, fruit Glesby, scalet land plant as #34819)

vine, claistogamer

glowers common: offen

flowers pale lavenote,

(same as #39943)

The trees very diversely, suly a fow on high, on summit, becomes somewhat taller on slopes toward sleyland. at parling lot, on rather level ground it is about of m tall. Here there is a large area where the ground is completely evered by Camunda under the claytoniang under the trees. Frest closed.

Crescent Rocher The Potentilla tridentate
is in good shape, even
on areas that are trampled,
satisfraga not seen. One
small crevier of Woodsig
ilvensis.

Thenendoah nat. Park 177 176 1954 Vinginia ang. 9 - Big mendows 1080 m. in inegular savanna \$0244 Ester undulatus plant subglavierus; veys - pale lanender, destine yellow very common ray, white, dish yellow, 45 aster and pilosus will, turning dull reddish rays very pale carendes, 44 arty andifolius v. racemiflus Fern, such yellowish white occasione in semi- shade rays hurple, hich 47 aster undulatus in yellow, turning red. occasional nays lavender, desh 48 aster undulatus. yellow, turning red. 49 Chamble to toler subscapor, 1.5 m. tall, paniele dendrid, petals nare, in semi closed sout yellow, fruit erect, immeter. same, in opening, in swamp should 0.7 m. tall. fruit immite 50 Rosa palustris abundant reclining, flowers white. 50 galium hopens uns tenctoring vecasimal fuit lunning rad. 52 Kosa carolina corolla deep blus-violet. vecasional 53 Gentiana clausa? very common 54 Cleocharis engelmanni common in pools aug. 9 - Story Man mx. 1835-Tole of sclibbs in rock aring 55 Junious trifictus was monanthos aug. 9 - Crescent wells 50 Wordsig ilvensig in work crevice in they

flenendrah nating 179 Virgina 178 1959 gent 9 - Ridge bet Brown Mt. Overlook and Rocky Mountain, Brown intiquerens minus great tiste yellow running red. 40757 aster undulatus L. occasional on repersoper rays purple dish yellow 40 258 aster undulatus L. rare moder slope carollas white, sigles 2 39 Leatres 60 Here on rocky slote purple. eract. abundant locally on broad ridge to 161 Hedyotis purpures v. teninfolis 62 lotally common in nostry ridge tot leaves green not at 68 Capex energana Im. ??? local on slope of g - Rocky mountain on quartrite ridge 4 lassapas albidum unflorescence red, fruit black. common in quercus minus woods below summ 65 Betula lenta on rock ledger at summit showly of mitall; 66 amelanchies leaves firm, sterile on rockledges at summit and some pine, queren Slopes covered by a think elicifolis scattered in frest, or in repper parts or undergrowth, or in tell semb, basically scrib, forming a quereus primus, but with substantial part of much Myssa and Jassepal

cover. Lower undergrow of Vaccinium and gaylussacia, Joulthen Envenon on ground, with Hedystes fraging v. lennifolia, alrindant mosses and lichens. Free in frest selding more than I ham. doly usually less, more secolings & saplings Pines commentat summit, all four species might there, stunted, with short needles. Betula lenta and amelanchier arboreal?) common at summit. time on this area has not been recent but effects still show. It is hard to separate the share her the to poverty of quantitie environment and the good draining, also the western expresere seems to play some part though instolvious

Black-Roch Hotel prints frith some admixture of Myrsa Pinus nigida I plungers. In places very then with a hearty server of Jueveus iliuficia, the finerant querous primes, seattered dense partswith a about 0.5 m. Tall of Vaccinium and ofther ancacear. Tephoring virginians Trees generally 7-10 m. tall 1

Blu Ridge Rhury. 183 182 1959 Vonginia Dept. 10 - Thursday Ridge Grantsvidge, querens ruta foresti, with longer canadensis, horbus americana Betula lenta Hamamelis (flowering), Klastostendin catawbiense, etc. The Betula shows a step toward diverism, some trees being grincipally in first but with a few staminate buto, sine with a few fruits, many Sept. 10 - Thunder Ridge in greenens ruba forest on grandinite ridge. shoul 2.5 m. tall Hamanelia virginiana pelals yellow. common in undergowth showt 25 m tall, Rhododendrom catawbilnae leaves white hereally. 69 Tianella undergrowth brenched at have occasional on webs 70 Polypodium vulgare van virginiam common on with. with an almost continuous Seld.10 . shrub layer 1-3 m. high is mi s. of Fancy gap, Canoll Co. of Rhododendin maximum? Ralmia latifolianiste. thin Great, largely Guercus primes, some nyses, notable burnes layer. aces autrum, queneus volutine, galax goodyng montops wifler, etc. Magnotia grason, etc.

Blue Ridge Parkway 85 Virginia 184 Oct. m. 190 + ros + night-have seen abundantly flying around over the trees all 5 p.m., semi. evereast but bright, probably a migration, as several dozen seen at one at m.g. 213 2850' Canoll Co. Left. 10 - 2.5 min s. w. of fanny fol in quereur primes firest with ericaceous shrub layt borning loose patches. 40271 galos aphylla L. common in human soil 72 goodyera pubercons (Willd.) R.Br. leaver dull green, midrile occasional in human soil white, reticulate nerver pale green. 73 Rhododendron shrub 2 m. tall should 1.2 m. tal. 74 Lyonia liquetina? shrub ism. tall. 75 Rhododendin Tree 15 m. tell, 3-4 dm. doh, 74 Magnolia fraseri lagetrees rare, seedlings common fruit red, selds frinks. Inthe older stand they Sept. 11 - Intersection just is nother little under. north of n.C. - Va. boundary growth, some vale sapling, Slope with young Kubur Clagellain, Chimaphila Pinus strobus fores - two maculata, Thigaes repens. ages - older with tree 15th eto quite a bit of seedling m. Tell, with some admixtu reproduction of lines strokus seedlings from 2 to 10 dm. tall of ray, mostly que comes the other a denier stand very common noso oller. torest canopy thin but almost of prefine perhaps 7-8 m. Tall. complete.

month Carolina 186 1999

11 - From Vinginia boundary to landy Flats, along Blue Ridge Parlsway, Pinus strobus is a very emportant tree in front, and is especially conspicuous colonizing old field and spenings-Many conspections young stands, ofter exclusively Catrobus resulting from This colonization. From Landy 7 late to is present but not so important in vegetation. Buch and rates are the most conspicuous feature here.

On was to my mitchell State Park Pixen Tsuga and finally alies, Herome dominant though apparently in for condition. The top of the mountain is Sominated by abies frager with some vera. The borest of alvies is closed, of rather low stature. perhaps 6-10 m, mp 5 7 dran dohi etrocky spaced 1-3 m yound with depleter

and mor layer mostly and Bayzana, with Ester accordantes manylinger Dryoptein and athyrum some Clintonia excall haufraga mehansin 4 abundan Locally Khododendom catantiens from long gratcher some Menzieria and Calmin Catifolia, but generally scattered abres saidings + I was seelling, formathe principal about you folidage, -Viola Spanda, aste, purious Dryopteris "opinulosa" and mbe, abundant This frest is believed never to have been burred, acc. Kerly tupt but he says some think it has been. no records of fine on summit.

191 190 1959 north caroling yancey to. Sept. 12 - top of mt. mitchell かからかいましまり 40277 Oxalis montains sterilout the season. very common, borning · 78 Dryspteris "spinulosa" very common locally aspecially in thinner areas inequilarly, dish greenich. 2 79 aster very commen locally espacially in thinner areas flowers fright yeller. 80 folidago very common, especially in small openings yellow, turning redded. 81 aster acuminatus very common, especially in small openings prostrate, single 82 Hedyotis michauxis 1000. flower seen blue (mostly common in small afenings sterile, some in fruit) and stream channels. gretals white. 4 & Saxifraga michauxii plant wittle. very common especially on with and in small openings rachers not reddid, 84 attryrium filex- Joening current indense fruit free 6 m. tall, I don doh. 85 abies paser complete dominant Bo Betula allegliariences 1900 ment. tiec 6 mitall, 7 cm. thick, sterile

193 Tennemer 192 1959 north Caroling Sept. 12 - Craggy gardene tree 5 m. tall, only on 40297 Fague old frutreen. Have forest in gap have a brownish cast. ith Sept. 12 - top of Mrt. Mitchell wigger disturbed open growing lat.
1 88 Bromus textorum i. 2041 2 89 Carex normalis Aprice-fir freed, just left in - West John Little Pigeon Lever Co. Tens 4129. south, also two wariants me prodomnantly spine, Flat bottom of narrow with almost no ground layer drye, or ridges: Deplylleia forming patch They much some moist (by drainings), with, of roct eligbs, in hemloch undergrowth of Vibrania birch borest. alnifolium, Kulon etc. in valleys. Sept. 12 - gap north of Indian 5300 Jap - Beech gap I z warent are most with rich 1 of Clingmans Dome ground langer mostly areas of dead for with Broad - leafed herbs + Caren st. abundant regeneration. - papurten, impatien, Rater of. beeling thinks result of forthags carrie (?) exposure, tact that in places Eviforgido, elc. These are linear, leading my Dry variant (?) cares from penings, due to wind This presonnates. thirms supports this herb layer This care never fruits

Lever Co. 195 194 1959 Tennessee Heath Bald in canyon Sept. 13 andrews Bald 4400-4500 below first turnel below Open grassy rounded Newfound gasp. slope - Danthonia compress In steep hity frest agnosting. with afundad in novine, there with covered Good-leaf berbs, such usually with leef may litter. as aster of, angeling, a Kalming tatifulia Potentilla simplex (?), a Khododindon catavbiero Regnitaedtia Fragais, Soudago sup., Hierakium e K, carotinense o Clettera acuminata paniculation, Prenanches a there of. a Vaccinimenthrough invaded somewhat o V. simulatun by spruce, fin, Rhododindras dething at acom estawbiener, Vaicinium a amelandor a bree erythrocafrum, Visimulatum, ~ Viburoum cassinoide est amelanchies arboren ea Leucothre Rubus canadenais :, some la Rubus canadensis Kalma lalifolis, and forging dense tungle 3-4 m. rubum, etc. tall, completely closed. Great Emoly Moustein nex like torices. at herophyllum buxifolium 3300 Left. 13 - West Forh Little Pigeon R. 10154 40290 asplenium occasional in wet clifts at bottom of narrow ravine small tree 5 mital, steils 2 91 Betulgalleghaniensi, 41500 almost fure (dange trees, with peretre pland on road embanisment, or still nort systems ~ (dominant locally in ready) nearly (next, seedlings on log,) strike seedling mit 92 Fagus rare seedlings in bottom-les toost Sept. 13 - same - bottom of rais 1217 flowers white 93 Circala alping on wet wells.

levier C. Levain G. 197 lannessee - M.C. 196 weak her, glower 40294 to Chelme lyoni on wet willer 95 Diphylleig cymora fruit blue-black. small colony on wet flat ground between stream and lift 4400-4500 Left. 13 - same - to heath on sleet well ridge bald, dense gnarled scrub, 1351 1395 compact show 1 mital, 96 Leisphyllum busydrum leaves glassy, derly green, very local and race in samo in tall cothers 97 Rhododendron carolinense seen to so mer m.), under common in ride of leaves or pany. sprawling struly. 98 Lewothre 99 Elex! especially in edge of leures daily green alone. should 2.5'm. tall, stouls. 16300 great Smoky mrs. not Parls. 5700 Sept. 13 - first gal n. w. of in low Faque forest thick her layer. stems purplish- trongs, 40300 Elifagus americana flowers purple. not known to to Ol Caret locally abundant flower a fruit blowers yellow. or folidago curtisin common 03 Cuscuta rostrata Shuttles. stem, dill runge; common, on various plant flowers white, corally campanulate- viceolate 04 Lenecis rugelli loke reglaced believes mit thinkay scaper erect. docally abundant erect 05 Hypertrodium lucidulum

great emply mis next 199 1959 Tennessee - M. C. Solidago erecta Punh? rays conspicuous, Beaver pelliticis reticulate 27 Left. 13 - Clingman's Dome, near 2430m. leaves mostly Reach 207 abie fraseri 098 abies fraseri Levain la - M.C. leaves somewhat distictory scales prehed up from ground 10 Picea mariana Tru; leaves somewhat ascending, somewhat in spruce- fin front frungent. same - may to andrews Ball Levery Co M.C voorm. Tree 10 m tall t, 15 cm, dog. 2 11 abies fraseri abundant in spruce fir frest comes from ground beneatly uminature (cut by squade) leaves de mine a Condistictionally spreading strub 2 m tall 12 Vaccinum engthrocarpum fruit juicy, reddish black common in uneven mixed serve pleasantly test. 140 m strub 2 m tal, 3 13 Diervilla sessilifolia tranchesand fruit, each. 44 grass Cenna latifolis? rare along trail in spruor fir food! 1200 m. erest, solitary 130-1750 Jevain G. n.C. Sept. 13 - andrews Bald, in open grass-herb meadow on gentle rounded sloke blue-black, pleasantly tax. 15 Vaccinium simulatum occasional, reallered 16 Herceceum praniculation f. glandulosum flowers yellow culme scattered 17 agrostis scala

200 1959 7 North 46 40318 Danthonis compressy most abundant grass 19 Fragaria virginiano vicasional so gentians guinguestis H gentiang brain 1 nare 22 frenanthes altering commy 2 1 23 amelanchier arborer common invades 3 Backing Carex 25 Carea willing feft. 13 - Trail to andrews We 26 Her montena Top 1 local in inequaler send 27 Rhododendroncarenen

some above case pitors

strict at the season

glower deep purple-blue.

plower dull purple, striped
with paler, appendages and
membranes white, loves longer
than appendages

beads dull relition,

- pendent

shrubot motall, stails

Belf.

Steril showl 2.5 m. Tall.



Montréal, 22 août, 1959 Montreal, August 22, 1959 107 ml IX Congrès international de Botanique IX International Congress of Botany 19-29 août, 1959: August 19-29, 1959. Excursion 1. Napierville a) Premier errêt. Erablière typique située à 1/4 de mille au sud de l'intersection de la route Sherrington-Napierville et de la route No. 9. On pourra y voir et récolter les plantes sulvantesi First stop. Typical maple grove located 1/4 m. south of the intersection of route No. 9 with that of Sherrington-Napierville. The following plants will be seen: Hannelly myens · Acer saccharum W Hepatica acutiloba H. aneven Actaea pachypoda Hydrophyllum virginianum / Adlantum pudatum "Medsola virginiana VAmphicarpa bractoata "Onoclea sensibilia Aralia nudicaulis -Osmorhiza Claytoni Phryma Leptostachya - Aralia racomosa ·Arisaema triphyllum Polystichum acrostichoides Asarum canadense Ranunculus recurvatus Aster acuminatus v Rhus radicans Aster macrophyllus (Herbs & la Puce; Poison Ivy; W Athyrium Felix-femina ne pas toucher: produit une Botrychium virginianum violente dermatite; do not Brachyelytrum erectum touch: produces a painful Carex gracillima dermatitis) Carex leptonervia Sambuous canadensis Carex pedunculata v Smilacina racemosa Carya cordiformis Solidago flexicaulis Caulophyllum thalictroides Tiarella cordifolia · Dryopteris marginalis vTilia americana Dryopteris Phegopteris "Tsuga canadensis Dryopteris spinulosa Trillium erectum - Epipactis Helleborins -Ulmus americana · Fagus grandifolia √Uvularia grandiflora Fraxinus americana vuvularia sassilifolia -Galium triflorum Olyceria melicaria Carlosshyllerm Lysopol. lieudulum Cupatowin rugosu L obserin galium paturetre? Betula allegherienis, Ismunda regale Ostron desunda

o) Quatrième arrêt. Tourbière, à 15 milles au nord des deux stations précédentes. On y rencontre plusieurs plantes caractéristiques des tourbières de la province de Québec. On pourra y récoltor:

Fourth stop. Bog located 15 miles north of the preceding two stops. Many of the typical plants of Quebec bogs are present. Among other plants, it will be possible to collect:

Andromeda giaucophylla Rabenaria blephariglottis

Andromeda glaucophylla
Betula populifolia
Carex canescens
Carex pseudo-Cyperus
Carex trisperma
Chamacdaphne calyculata
Cypripedium acaule
Drosera rotundifolia
Dryopteris cristata
Dryopteris spinulosa
Eriophorum spissum
Eriophorum virginioum

Rabenaria blephariglottis
Ilex verticillata
Kalmia polifolia
Larix laricina
Ledum groenlandicum
Monotropa uniflora
Nemopanthus mucronata
Picea mariana
Sarracenia purpurea
Sorbus americana
Vaccinium corymbosum
Viburnum cassinoides

N.B. - On pourra faire un cinquième arrêt dans un champ abandonné

- It may to possible to make a fifth stop in a waste field if time permits.



